

Bay Area Interties Regional Desalination Project

S.F. BAY REGIONAL FORUM, DWR

September 23, 2013

Today's Talk



- Regional Projects & Interties
- Ongoing Regional Efforts & Opportunities
- Next Steps & Challenges

Goals/Benefits of Regional Approach

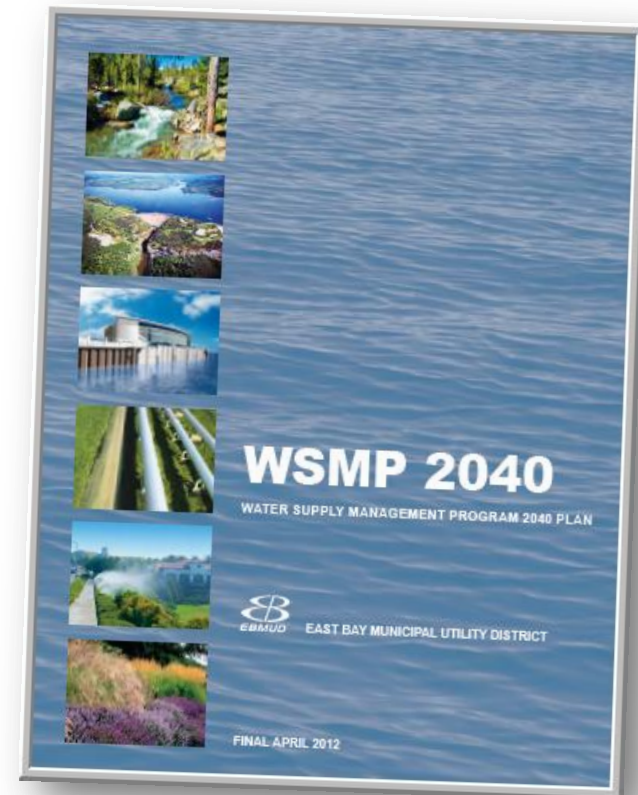


- Goal: Improve Bay Area's water supply reliability using a "low-cost" approach
- Regional Project Benefits:
 - Increase Reliability:
 - Supplemental water supply during droughts, emergencies & shortfalls
 - Diversification of water supplies
 - Operational flexibility
 - Maximize use of existing facilities:
 - Cost-effectiveness
 - Lower environmental foot-print

EBMUD Water Supply Planning



- EBMUD adopted Water Supply Management Program 2040 in 2012
- Identifies portfolio of potential projects to meet future dry year water supply needs
- Emphasis on regional projects to meet future water supply needs:
 - Maximize use of existing infrastructure (both EBMUD and regional investments)
 - Partnerships to provide regional benefits and share costs



Regional Opportunities



- Many Bay Area agencies have recently completed major investments in water supply projects
- Unassigned capacities are available
- Regional interties provide opportunities to partner on future water supply projects via exchanges/transfers



Freeport Intake

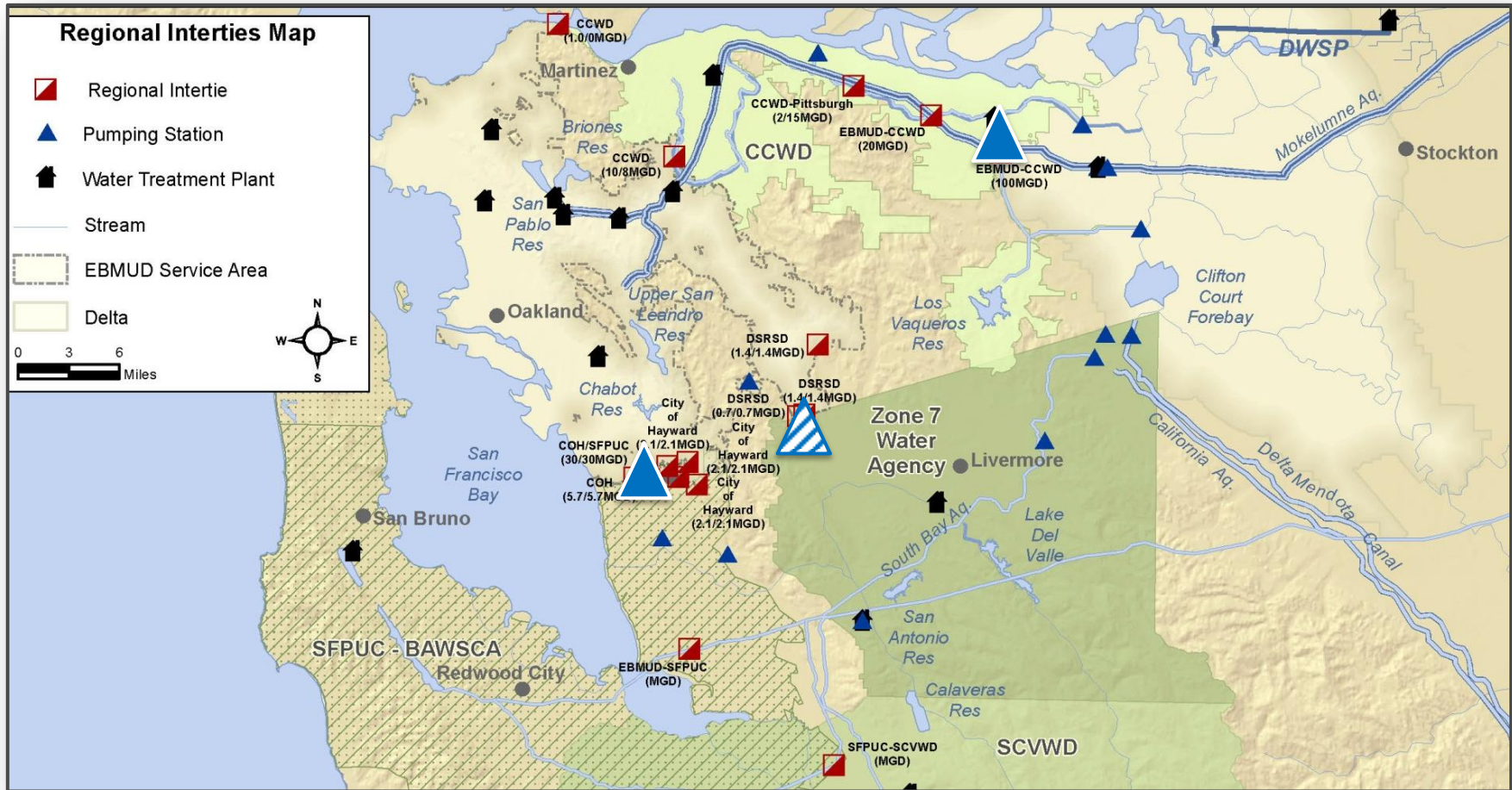


SFPUC-EBMUD-Hayward Intertie



Los Vaqueros

Interties – Regional Connections



Ongoing Regional Efforts & Opportunities

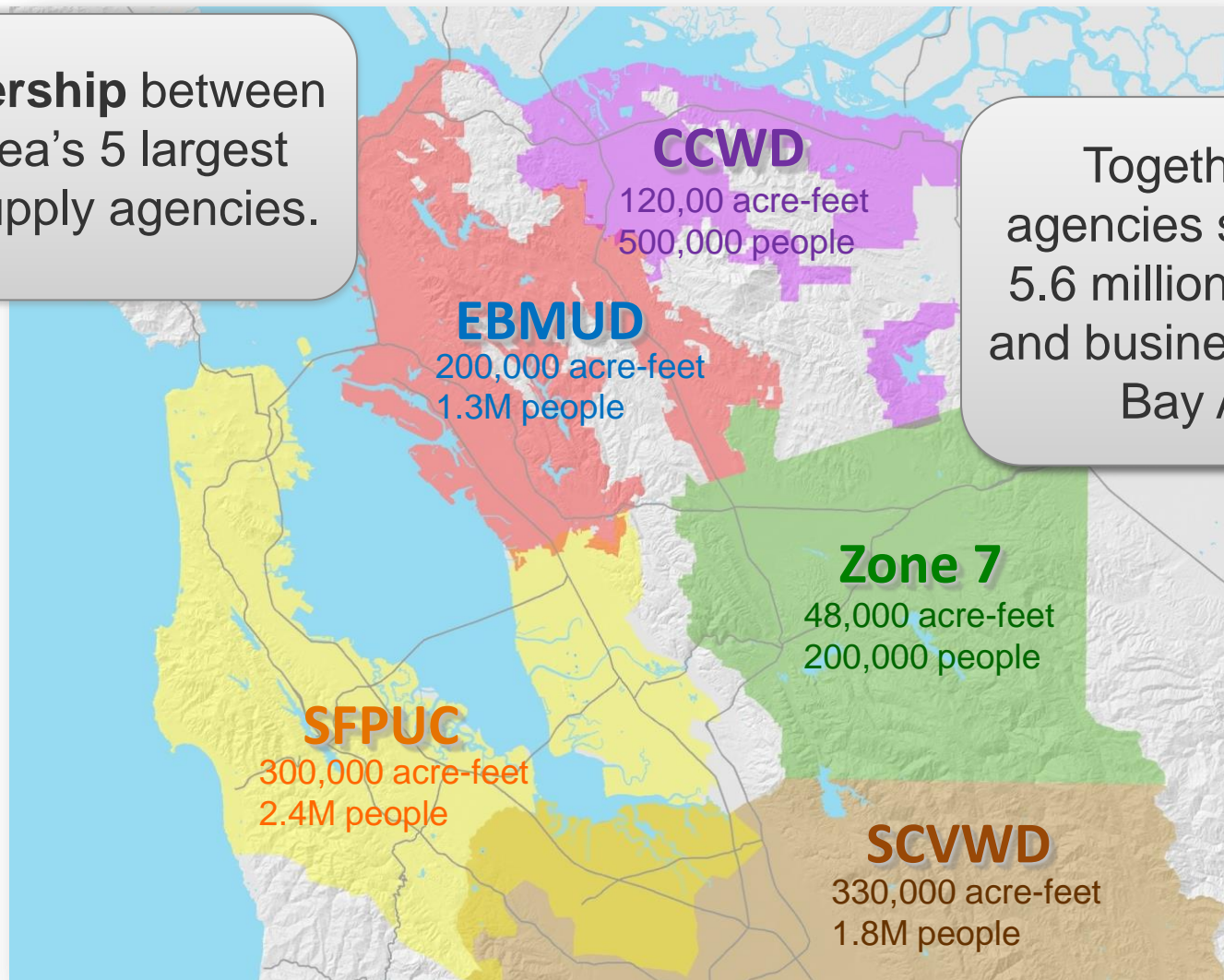


- Bay Area Regional Desalination Project
- Water Transfers/Exchanges
 - CCWD–Woodbridge short-term water transfer
 - BAWSCA Pilot Water Transfer Study
- Unassigned Freeport Capacity
- Storage in CCWD's Expanded Los Vaqueros
- Future Zone 7 Intertie

Bay Area Regional Desalination Project



A **partnership** between
Bay Area's 5 largest
water supply agencies.

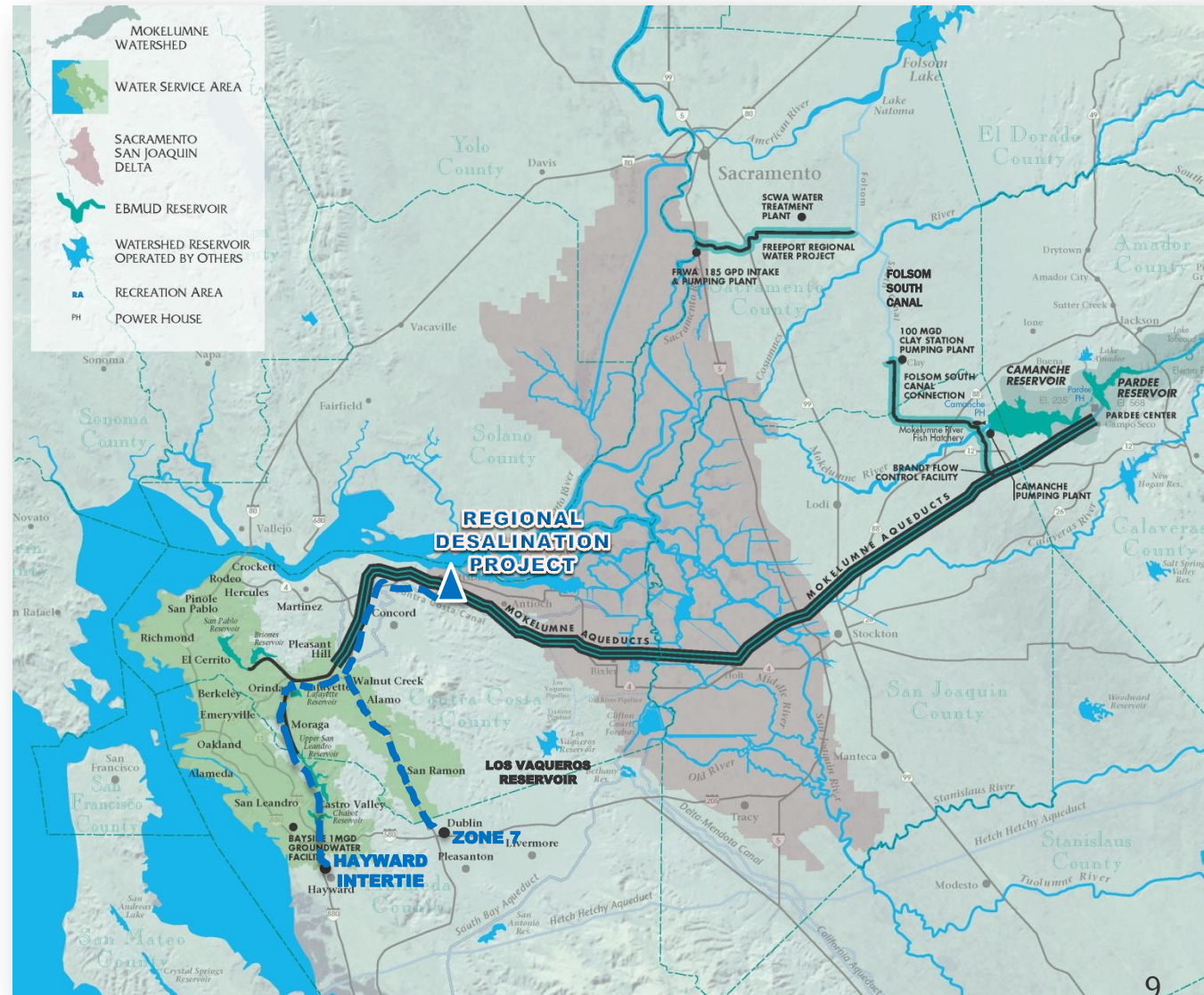


Together, our
agencies serve over
5.6 million residents
and businesses in the
Bay Area.

Regional Desalination Current Status



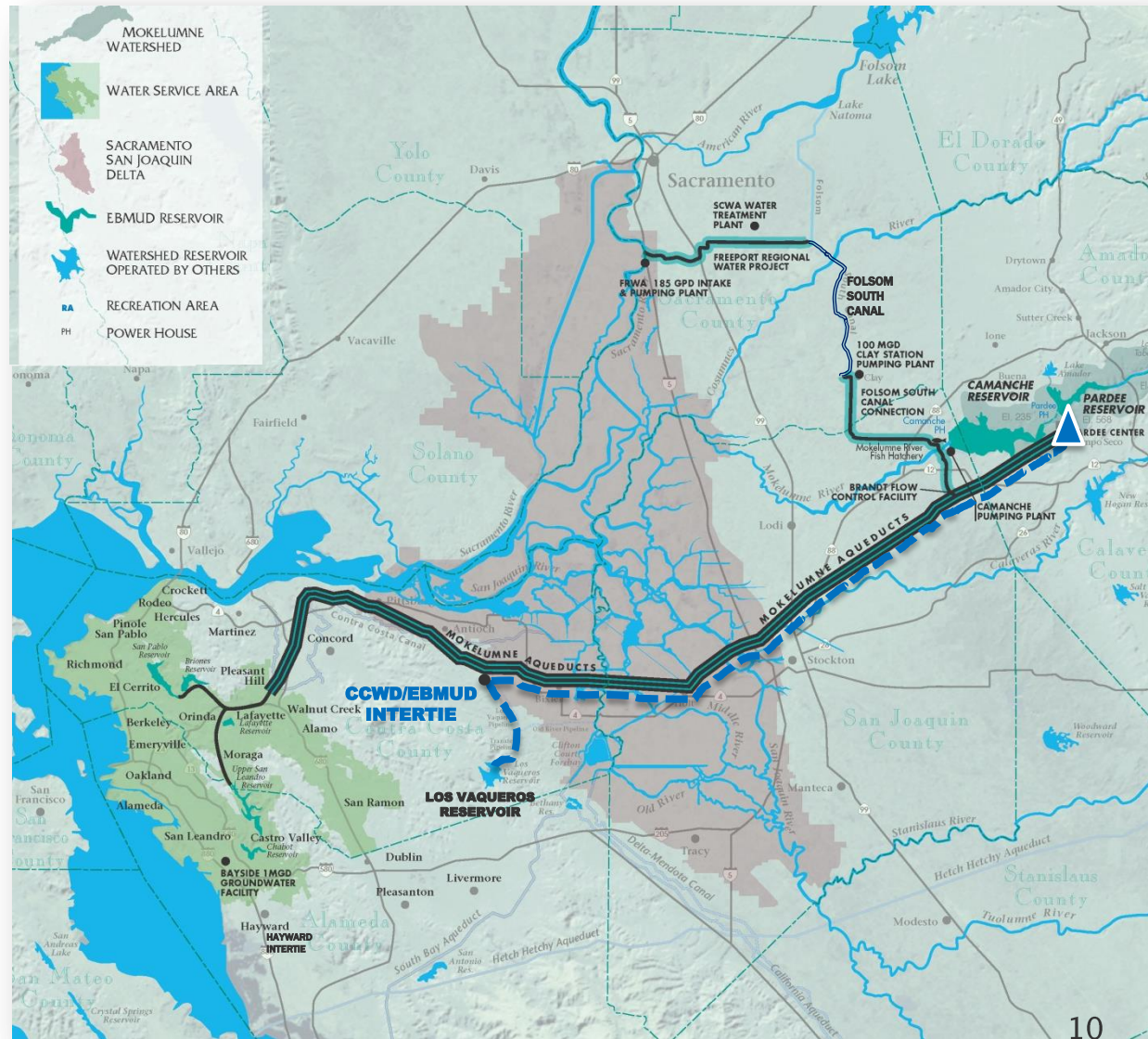
- Up to 20 MGD capacity produced in East Contra Costa
 - Feasibility Study (2007)
 - Pilot Study (2009)
- Site specific studies (2013)
 - Wheeling Study
- Next steps: Partner interest confirmation, CEQA, Pre-Design



CCWD-Woodbridge Irrigation District Water Transfer (2013)



- Transfer completed last week (Sept 11 - 18)
- CCWD purchased 2,000 AF water from Woodbridge ID
- EBMUD wheeled the water using existing facilities/interties
- Water stored in Los Vaqueros Reservoir



Unassigned Freeport Capacity



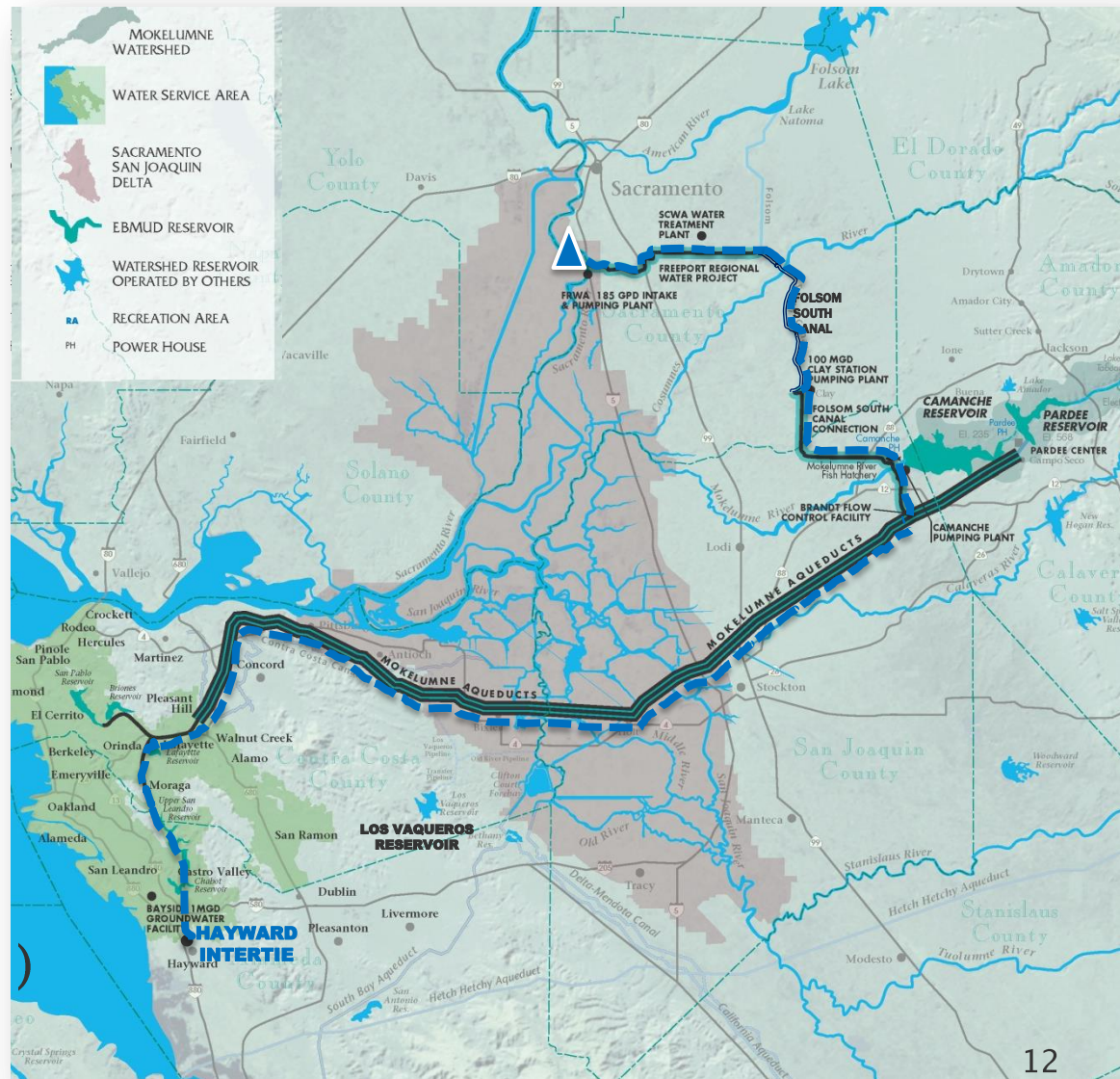
- EBMUD completed Freeport project in 2011
 - \$0.5 Billion
- Supplemental supply to EBMUD during:
 - Emergencies
 - Dry years (3 out of 10 years)
- Other years (7 out of 10):
Unassigned capacity available to “partners”



EBMUD-BAWSCA Pilot Water Transfer Study



- BAWSCA and EBMUD completed a Feasibility Study to pilot a short-term water transfer (1,000 AF)
- BAWSCA would purchase transfer water from a seller north of Delta
- Wheeled through EBMUD system to BAWSCA via Hayward Intertie (SFPUC)
- When? Future Dry year (when EBMUD is operating Freeport)



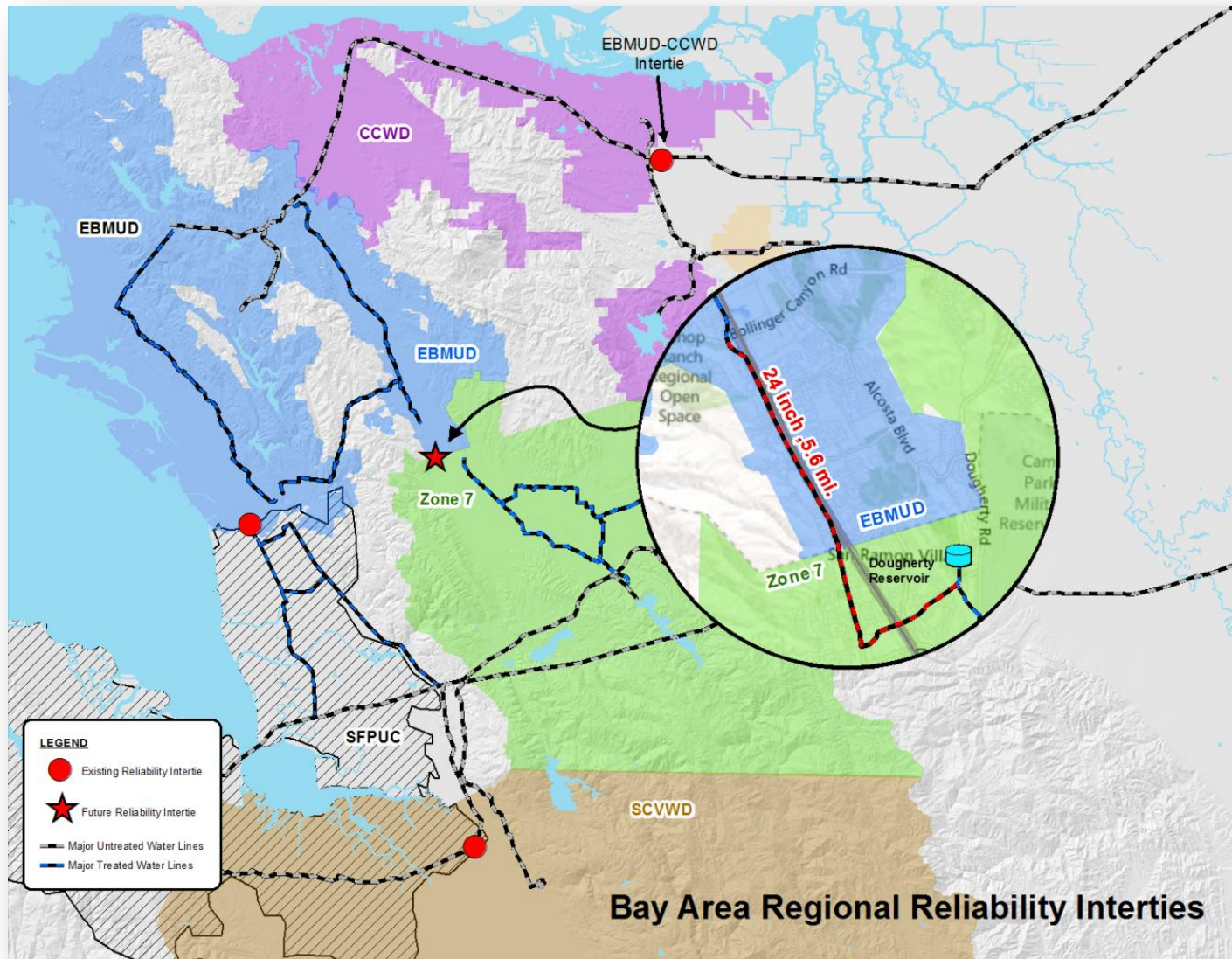
Storage in CCWD's Expanded Los Vaqueros Reservoir



- Los Vaqueros (LV) Reservoir expansion completed in 2012
- Increased storage capacity from 100 TAF to 160 TAF
- Unassigned capacity available to “partners”
- Using storage in conjunction with other projects could increase project yield
 - RDP yield increased by >75%



EBMUD/Zone 7 Intertie – Future



Next Steps & Challenges



- Focus on developing regional projects with regional benefits and cost sharing opportunities in the Bay Area
- Leverage existing assets to address fiscal constraints
- Work with key stakeholders, including resource agencies (SWRCB), to address water rights issues and streamline transfer process to encourage regional partnerships

Questions?